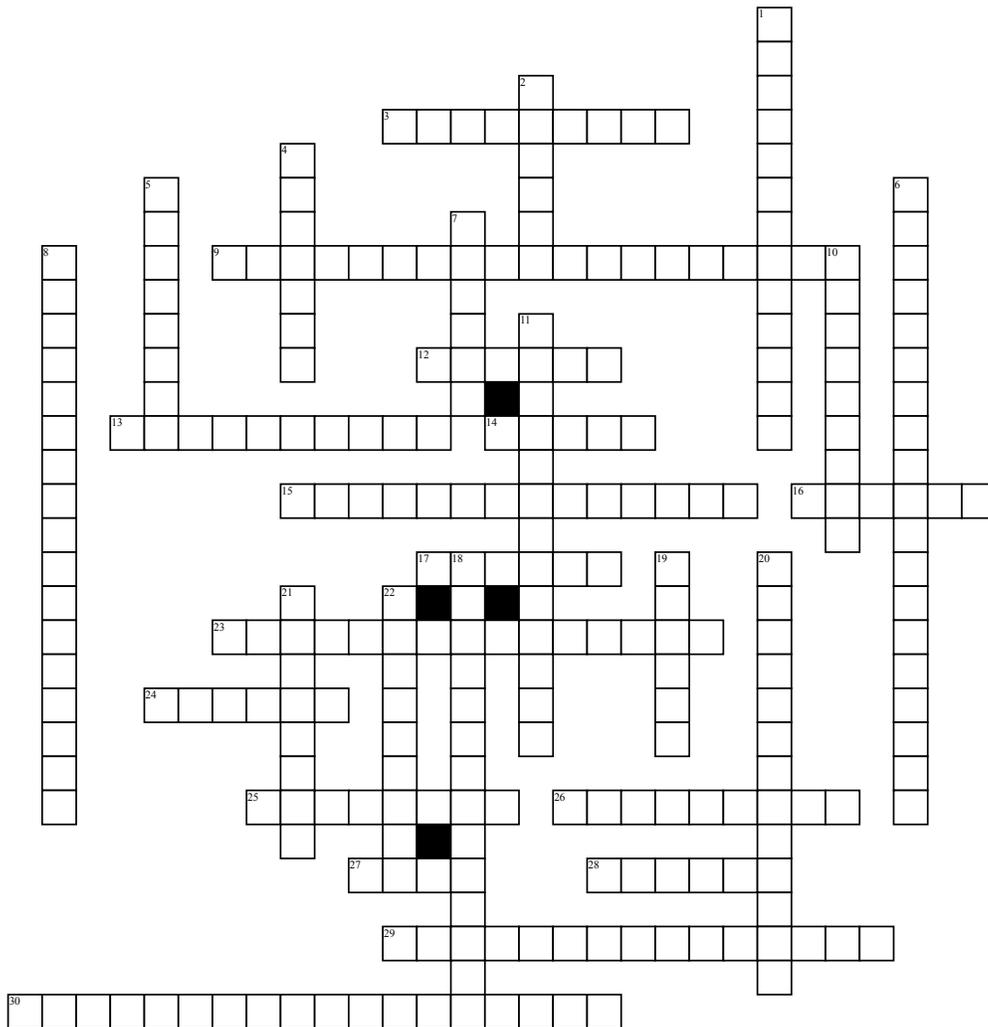


# Geometry crossword



**Across**

- 3. distance along a circular arc measured in linear units
- 9. two angles whose sum is 90 degrees
- 12. a straight line passing from the center to the circumference of a circle or sphere
- 13. equation that states two ratios are equal
- 14. a segment whose end points lie on a circle
- 15. two coplanar angles with a common vertex and a common side between them
- 16. common endpoint of an angle
- 17. for an acute angle of a right triangle, the ratio of the measure of the leg adjacent to the acute angle to the measure of the hypotenuse.
- 23. the point where a tangent and a circle intercept

- 24. number of cubic units contained in a solid
- 25. branch of mathematics that deals with points, lines, planes and solids and examines their properties
- 26. when segments have the same measure
- 27. the number of square units needed to cover a surface
- 28. all sides congruent and all four right angles
- 29. any segment, line, or plane that intersects a segment at its midpoint
- 30. in a right triangle, the sum of the squares of the legs is equal to the square of the hypotenuse

**Down**

- 1. two lines are parallel if they are coplanar and do not intersect
- 2. line that intersects a circle in two points

- 4. parallelogram with consecutive sides congruent
- 5. lying in the same plane
- 6. two angles with measures that have a sum of 180 degrees
- 7. relating to or situated in or extending toward the middle
- 8. triangle with at least two sides congruent
- 10. are noncoplanar lines they will not intersect
- 11. a triangle that contains a right angle
- 18. triangle with an obtuse angle
- 19. line that intersects a circle in two points
- 20. distance around a circle
- 21. a straight line passing from side to side through a circle
- 22. points on the same line

**Word Bank**

- |                    |                      |                      |                 |                 |
|--------------------|----------------------|----------------------|-----------------|-----------------|
| geometry           | Complementary angles | median               | right triangle  | chord           |
| segment bisector   | cosine               | skew lines           | secant          | congruent       |
| arc length         | Pythagorean Theorem  | parallel lines       | vertex          | volume          |
| Isosceles triangle | radius               | rhombus              | Adjacent angles | area            |
| proportion         | square               | supplementary angles | collinear       | circumference   |
| diameter           | point of tangency    | coplanar             | secant          | obtuse triangle |